



A Checklist of **Zimbabwean bryophytes**

by Phelex Manyanga & S.M. Perold



582.32 (689.1)

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Guide for using the checklist

The checklist is grouped into the three main subdivisions within the bryophytes: Hepatophyta (liverworts), Anthocerotophyta (hornworts), and Bryophyta (true mosses). Within each of these groups, the families are arranged alphabetically.

The genera in each family are also arranged alphabetically. Accepted genus names are given in bold upper case, for example, **MITTENOTHAMNIUM**. Genus names in *italics*, for example, *DICRANOLEJEUNEA*, are synonyms.

MITTENOTHAMNIUM Henn.

cygnicollum (Dixon) Wijk & Margad. = **M. reptans**

proreptans (Müll.Hal.) Cardot = **M. pseudoreptans**

pseudoreptans (Müll.Hal.) Cardot E

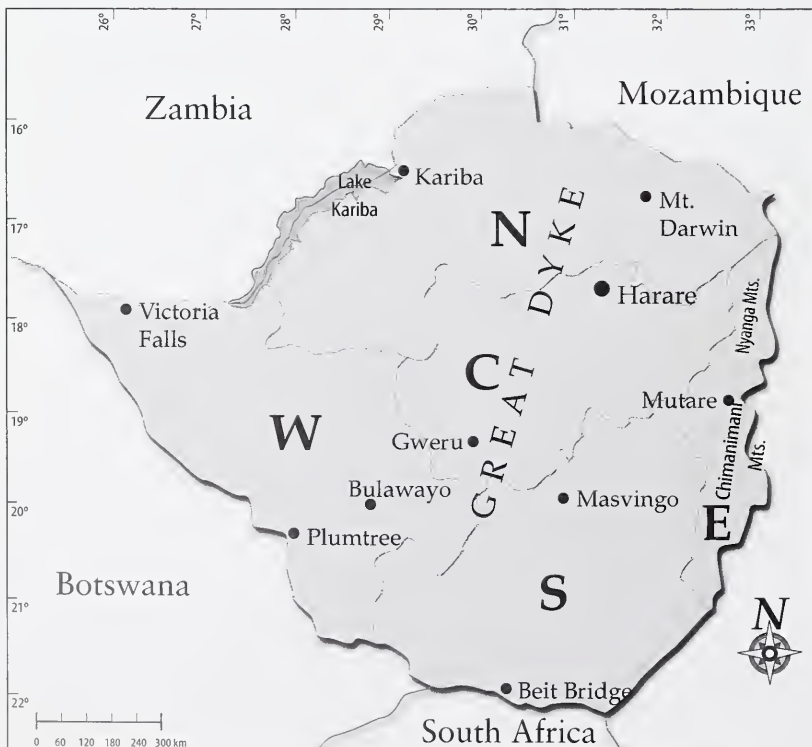
(*M. proreptans* (Müll.Hal.) Cardot)

reptans (Hedw.) Cardot E

(*M. cygnicollum* (Dixon) Wijk & Margad.)

Within each genus, both accepted species names and synonyms are listed alphabetically, as in the example above. Accepted species names are given in bold lower case, for example, **pseudoreptans** and **reptans**. Synonyms are in *italics* and are followed by the accepted name in bold, for example, *cygnicollum* (Dixon) Wijk & Margad. = **M. reptans**. Synonyms are also listed below the current name, indented and in parenthesis, for example, (*M. cygnicollum* (Dixon) Wijk & Margad.)

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The floristic regions of Zimbabwe: Central, East, North, South, West.

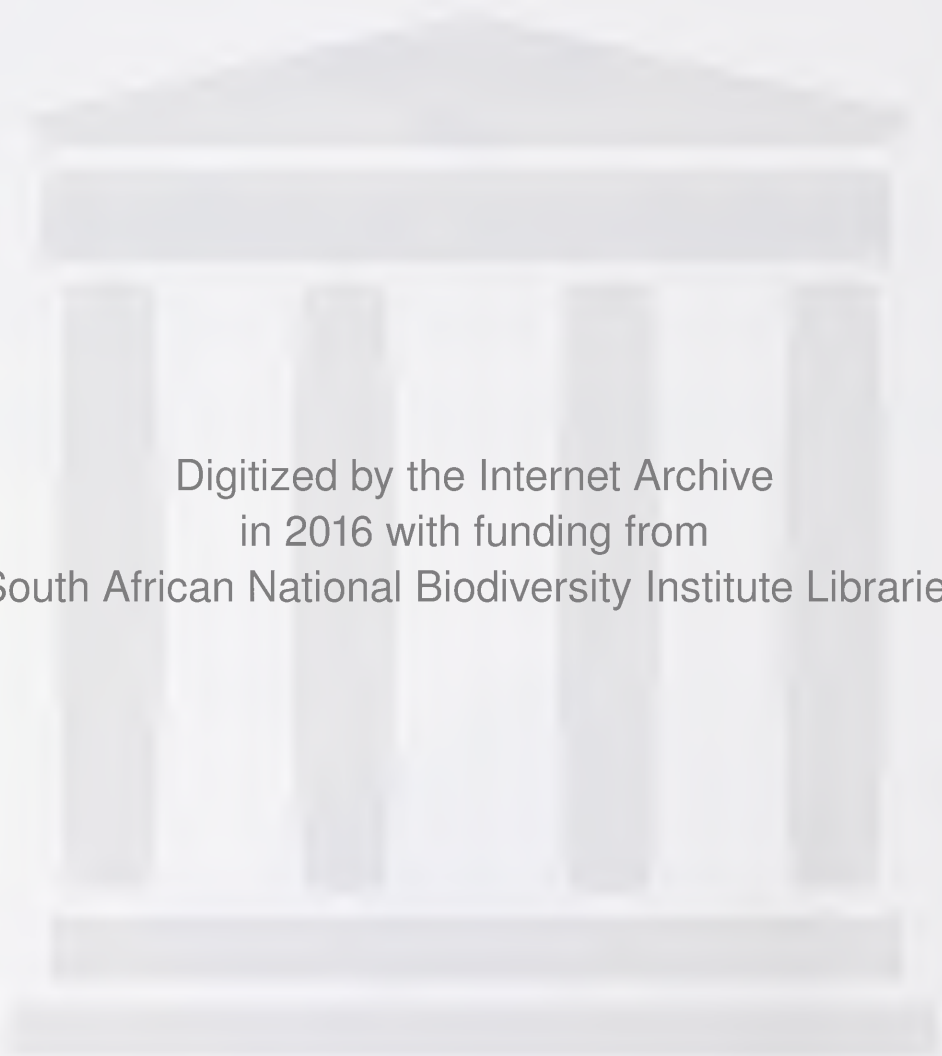
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Phelex Manyanga & S.M. Perold



2004

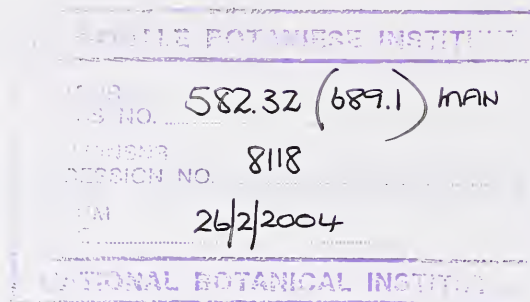
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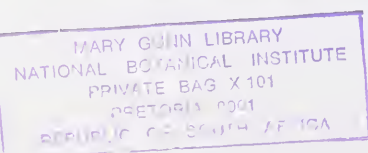
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Education Centre in the National Botanic Garden.
(Photo: Anthony Mapaura)



Desert House in the National Botanic Garden.
(Photo: Anthony Mapaura)

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Entrance to the National Herbarium. (Photo: Anthony Mapaura)



Botanic Garden Restaurant. (Photo: Anthony Mapaura)

Introduction

Bryophytes constitute an interesting component of the flora of Zimbabwe, which is represented by dried specimens held at the National Herbarium of Zimbabwe (SRGH). Bryophytes play a very important role in the balance of nature, aiding in the absorption of water and the cycling of nutrients. It is therefore necessary to have an updated checklist of this component of the Zimbabwean flora.

This checklist is a compilation of specimens and citation records that are held at the National Herbarium of Zimbabwe (SRGH). The arrangement of liverwort families was originally after Magill and Schelpe (1979), based on Grolle (1972), but has now been updated according to Wiggington (2002) and is in alphabetical order. The arrangement of mosses up to generic level initially followed Crosby and Magill (1981), but is now alphabetical as well. O'Shea (1999) was also consulted and this list includes many changes that have been made since publication of a checklist by Best (1990).

An asterisk (*) next to the distribution indicates specimens represented by citation records only, not by specimens in the herbarium.

Synonyms were taken from the following references: Arnell (1963), Best (1990), O'Shea (1999), Wiggington (2002), as well as Perold (2003) and Van Rooy (2003).

We hope that in addition to complementing the national checklist of vascular plants of Zimbabwe, this checklist will provide updated information on Zimbabwean bryophyte taxa, as well as assist in the identification of needs for further research and collection of bryophytes in Zimbabwe.

Guide for using the checklist

The checklist is grouped into the three main subdivisions within the bryophytes: Hepatophyta (liverworts), Anthocerotophyta (hornworts), and Bryophyta (true mosses). Within each of these groups, the families are arranged alphabetically.

The genera in each family are also arranged alphabetically. Accepted genus names are given in bold upper case, for example, **MITTENOTHAMNIUM**. Genus names in italics, for example, *DICRANOLEJEUNEA*, are synonyms.

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pseudoreptans (Müll.Hal.) Cardot **E**

(*M. proreptans* (Müll.Hal.) Cardot)

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The floristic regions of Zimbabwe: Central, East, North, South, West.

A checklist of Zimbabwean bryophytes

Hepatophyta

ANEURACEAE

ANEURA Dumort.

- amazonica* Spruce = *Riccardia amazonica*
angusticosta Steph. = *Riccardia amazonica*
congoana Steph. = *Riccardia amazonica*
fastigiata (Lehm.) Gottsche, Lindenb. & Nees =
Riccardia fastigiata
grosselimbata Steph. = *Riccardia amazonica*
holstii Steph. = *Riccardia holstii*
pseudopinguis (Herzog) Pöcs C
stephanii Besch. ex Steph. = *Riccardia amazonica*

RICCARDIA Raddi

- amazonica* (Spruce) Schiffn. ex Gradst. & Hekking C
 E
(Aneura angusticosta (Steph.) Grolle)
(Aneura congoana Steph.)
(Aneura grosselimbata Steph.)
(Aneura stephanii Besch. ex Steph.)
fastigiata (Lehm.) Trevis. E
(Aneura fastigiata (Lehm.) Gottsche, Lindenb. & Nees)
holstii (Steph.) E.W.Jones E
(Aneura holstii Steph.)
rhodesiae S.W.Arnell W*

ARNELLIACEAE

GONGYLANTHUS Nees

- ericetorum* (Raddi) Nees N C E

AYTONIACEAE

ASTERELLA P.Beauv.

- abyssinica* (Gottsche) Grolle N W
angolensis (Steph.) S.W.Arnell = *A. wilmsii*
bachmannii (Steph.) S.W.Arnell W E S
marginata (Nees) S.W.Arnell C E S
muscolica (Steph.) S.W.Arnell N
wilmsii (Steph.) S.W.Arnell N W C E S
(A. angolensis S.W.Arnell)

MANNIA Opiz

- capensis* (Steph.) S.W.Arnell N W

PLAGIOCHASMA Lehm. & Lindenb.

- algericum* Steph. = *P. rupestre* var. *rupestre*
appendiculatum Lehm. & Lindenb. W*
dinteri Steph. = *P. microcephalum*
microcephalum (Steph.) Steph. W*
(P. dinteri Steph.)
rupestre (J.R.Forst. & G.Forst.) Steph. var. *rupestre* N
 W C E S
(P. algericum Steph.)
(P. tenue Steph.)

- rupestre* (J.R.Forst. & G.Forst.) Steph. var. *volkii* Bischl. W*
tenue Steph. = *P. rupestre* var. *rupestre*

REBOULIA Raddi

- hemisphaerica* (L.) Raddi C* E

BALANTIOPSISIDACEAE

ISOTACHIS Mitt.

- aspera* Steph. = *I. aubertii*
aubertii (Schwägr.) Mitt. E*S*
(I. aspera Steph.)
(I. uncinata (F.Weber) Gottsche)
uncinata (F.Weber) Gottsche = *I. aubertii*

CALYPOGEIACEAE

CALYPOGEIA Raddi

- arguta* Nees & Mont. N E
bidentula (F.Weber) Nees E
fissa (L.) Raddi W E
longifolia Steph. E*

CEPHALOZIACEAE

CEPHALOZIA (Dumort.) Dumort.

- bicuspidata* (L.) Dumort. E
(C. robusta Steph.)
connivens (Dicks.) Lindb. subsp. *fissa* (Steph.) Vana
 E
(C. crassicaulis Steph.)
crassicaulis Steph. = *C. connivens* subsp. *fissa*
robusta Steph. = *C. bicuspidata*

CEPHALOZIELLACEAE

CEPHALOZIELLA (Spruce) Schiffn.

- atroviridis* (Sim) E.W.Jones = *Cylindrocolea atroviridis*
kiaerii (Austin) Douin N C E
tenuissima (Lehm. & Lindenb.) Steph. C
transvaalensis S.W.Arnell N E*
umtaliensis S.W.Arnell E

EXORMOTHECACEAE

EXORMOTHECA (Godm.) Mitt.

- holstii* Steph. C
pustulosa Mitt. N W

FOSSOMBRONACEAE

FOSSOMBRONIA Raddi

- crispa* Nees N C E
(F. zeyheri Steph.)
pusilla (L.) Dumort. W C E
zeyheri Steph. = *F. crispa*

GEOCALYCACEAE (including Lophocolea)

CHILOSCYPHUS Corda

muricatus (Lehm.) J.J.Engel & R.M.Schust. =
Lophocolea muricata

CLASMATOCOLEA Spruce

vermicularis (Lehm.) Grolle N C E

HETEROSCYPHUS Schiffn.

grandistipus subsp. *henkelii* (Sim) Grolle E*
(*Leptoscyphus henkelii* Sim)

LEPTOSCYPHUS Mitt.

expansus (Lehm.) Grolle E
(*L. iversenii* (Pearson) Sim)

henkelii Sim = *Heteroscyphus grandistipus* subsp.
henkelii

iversenii (Pearson) Sim = *L. expansus*

infuscatus (Mitt.) E.W.Jones E*

LOPHOCOLEA (Dumort.) Dumort.

concreta Mont. C E

(*L. rehmannii* Steph.)

congoana Steph. = *L. martiana*

difformis Nees N C E

martiana Nees C E

(*L. congoana* Steph.)

muricata (Lehm.) Nees E

(*Chiloscyphus muricatus* (Lehm.) J.J.Engel & R.M.Schust.)

(*L. spiniflora* Steph.)

rehmannia Steph. = *L. concreta*

semiteres (Lehm.) Mitt. E

spiniflora Steph. = *L. muricata*

HERBERTACEAE

HERBERTUS Gray

capensis (Steph.) Sim E

JUBULACEAE (including Frullania)

FRULLANIA Raddi

angulata Mitt. E

apicalis Mitt. E*

arecae (Spreng.) Gottsche E

borgenii Pearson = *F. obscurifolia*

caffraria Steph. E

capensis Gottsche E S

(*F. rehmannii* Steph.)

depressa Mitt. E

(*F. natalensis* Sim)

ecklonii (Spreng.) Gottsche, Lindenb. & Nees E*

epilcata Steph. E

ericoides (Nees) Mont. N C E S

(*F. squarrosa* Gottsche, Lindenb. & Nees)

grossiclava Steph. E*

lindenberghii Lehm. E

natalensis Sim = *F. depressa*

obscurifolia Mitt. N W C E S

(*F. borgenii* Pearson)

rehmannii Steph. = *F. capensis*

serrata Gottsche E

spongiosa Steph. E

squarrosa Gottsche, Lindenb. & Nees = *F. ericoides*

trinervis (Lehm.) Drège E S

JUNGERMANNIACEAE

ANASTROPHYLLUM (Spruce) Steph.

auritum (Lehm.) Steph. E*

piligerum (Nees) Steph. E*

CHANDONANTHUS Mitt.

hirtellus (F.Weber) Mitt. E

JUNGERMANNIA L.

austroafricana S.W.Arnell = *J. mildbraedii*

borgenii Gottsche ex Pearson E

(*J. stolonifera* (Steph.) Steph.)

(*Solenostoma borgenii* (Gottsche ex Pearson) Steph.)

(*Solenostoma stoloniferum* (Steph.) S.W.Arnell)

mildbraedii Steph. N E

(*J. austroafricana* S.W.Arnell)

sphaerocarpa Hook. E*

stolonifera (Steph.) Steph., illegitimate name =

Jungermannia borgenii

SOLENOSTOMA Mitt.

borgenii (Gottsche ex Pearson) Steph. = *Jungermannia*

borgenii

stoloniferum (Steph.) S.W.Arnell = *Jungermannia*

borgenii

LEJEUNEACEAE

ACANTHACOLEUS R.M.Schust.

(*DICRANOLEJEUNEA* Steph.)

aberrans (Lindenb. & Gottsche) Kruijt var. *laevis*

Gradst. S*

(*Dicranolejeunea atra* (Mitt.) Vanden Berghen)

chrysophyllus (Lehm.) Kruijt S*

(*Dicranolejeunea chrysophylla* (Lehm.) Grolle)

(*Dicranolejeunea natalensis* (Sim) S.W.Arnell)

madagascariensis (Steph.) Kruijt E S*

(*Dicranolejeunea madagascariensis* Steph.)

APHANOLEJEUNEA A.Evans

capensis (S.W.Arnell) S.W.Arnell E*

BRACHIOLEJEUNEA (Spruce) Schiffn.

phyllorhiza (Nees) Kruijt & Gradst. S*

CAUDALEJEUNEA (Steph.) Schiffn.

hanningtonii (Mitt.) Schiffn. C E

CHEILOLEJEUNEA (Spruce) Schiffn.

brachytoma (Gottsche) R.M.Schust. = *C. trifaria*

brevifissa (Gottsche) R.M.Schust. = *C. krakakammae*

exinnovata E.W.Jones E*

krakakammae (Lindenb.) R.M.Schust. E

(*C. brevifissa* (Gottsche) R.M.Schust.)

(*Strepsilejeunea brevifissa* (Gottsche) Steph.)

(*Strepsilejeunea krakakammae* (Lindenb.) Steph.)

trifaria (Reinw. et al.) Mizut. C E

(*C. brachytoma* (Gottsche) R.M.Schust.)

COLOLEJEUNEA (Spruce) Schiffn.

bolombensis (Steph.) Vanden Berghen = *C. tonkinensis*

cardiocalpa (Mont.) A.Evans E*

distalopapillata (E.W.Jones) R.M.Schust. E

- duvignaudii E.W.Jones E
 malanjae Steph. E*
 minutissima (Sm.) Schiffn. E*
 mocambiquensis S.W.Arnell E
 occidentalis (E.W.Jones) Vanden Berghen E*
 tonkinensis Steph. E*
 (C. bolombensis (Steph.) Vanden Berghen)
COLURA (Dumort.) Dumort.
 calyptrifolia (Hook.) Dumort. E*
DICRANOLEJEUNEA Steph.
 atra (Mitt.) Vanden Berghen = *Acanthocoleus aberrans*
 var. *laevis*
 chrysophylla (Lehm.) Grolle = *Acanthocoleus chrysophyllus*
 chrysophyllus
 madagascariensis (Gottsche) Steph. = *Acanthocoleus madagascariensis*
 natalensis (Sim) S.W.Arnell = *Acanthocoleus chrysophyllus*
DIPLASIOLEJEUNEA (Spruce) Schiffn.
 cornuta Steph. E*
 kraussiana (Lindenb.) Spruce E
 (Lejeunea kraussiana Lindenb.)
DREPANOLEJEUNEA (Spruce) Schiffn.
 friesii Vanden Berghen = *D. physaefolia*
 hamatifolia (Hook.) Schiffn. E
 physaefolia (Gottsche) Steph. E
 (D. friesii Vanden Berghen)
 pocsii Grolle E*
LEJEUNEA Lib.
 caespitosa Lindenb. E*
 camerunensis (Steph.) E.W.Jones E*
 eckloniana Lindenb. W*
 helenae Pearson C*
 isophylla E.W. Jones E
 kamerunensis (Steph.) Vanden Berghen =
Microlejeunea kamerunensis
 kraussiana Lindenb. = *Diplasiolejeunea kraussiana*
 rhodesiae (Sim) R.M.Schust. N W C E
 (Rectolejeunea rhodesiae (Sim) S.W.Arnell)
 ulicina subsp. *africana* (Steph.) Vanden Berghen =
Microlejeunea africana
LEPTOLEJEUNEA (Spruce) Schiffn.
 astroidea (Mitt.) Steph. E
 (L. truncatiflora Steph.)
 truncatiflora Steph. = *L. astroidea*
LEUCOLEJEUNEA A.Evans
 capensis S.W.Arnell = *L. xanthocarpa*
 rotundistipula (Lindenb. ex Lehm.) Steph. E*
 xanthocarpa (Lehm. & Lindenb.) A.Evans C E
 (L. capensis S.W.Arnell)
LOPHOLEJEUNEA (Spruce) Schiffn.
 abortiva (Mitt.) Steph. var. *fragilis* (Steph.) Vanden
 Berghen = *L. nigricans*
 fragilis Steph. = *L. nigricans*
 laciniata E.W.Jones E
 nigricans (Lindenb.) Schiffn. N
 (L. abortiva var. *fragilis* (Steph.) Vanden Berghen)
 (L. fragilis Steph.)
 subfusca (Nees) Schiffn. E
MARCHESINIA Gray

- madagassa Steph. E*
MICROLEJEUNEA Steph.
 africana Steph. E
 (Lejeunea ulicina subsp. *africana* (Steph.) Vanden Berghen)
 kamerunensis Steph. E
 (Lejeunea kamerunensis (Steph.) Vanden Berghen)
PHRAGMILEJEUNEA R.M.Schust.
 molleri (Steph.) R.M.Schust. = *Schiffneriolejeunea polycarpa*
 pappeana (Nees) R.M.Schust. = *Schiffneriolejeunea pappeana* var. *pappeana*
PRIONOLEJEUNEA (Spruce) Schiffn.
 grata (Gottsche) Schiffn. E*
 (P. serrula (Mitt.) Steph.)
 serrula (Mitt.) Steph. = *P. grata*
PTYCHANTHUS Nees
 dioicus (Sim) S.W.Arnell = *P. striatus*
 striatus (Lehm. & Lindenb.) Nees E
 (P. dioicus (Sim) S.W.Arnell)
RECTOLEJEUNEA A.Evans
 rhodesiae (Sim) S.W.Arnell = *Lejeunea rhodesiae*
SCHIFFNERIOLEJEUNEA Verd. emended Gradst.
 pappeana (Nees) Gradst. var. *pappeana* N W* C E S
 (Phragmilejeunea pappeana (Nees) R.M.Schust.)
 polycarpa (Nees) Gradst. E
 (Phragmilejeunea molleri (Steph.) R.M.Schust.)
STREPSILEJEUNEA Steph.
 brevifissa (Gottsche) Steph. = *Cheilolejeunea krakakammae*
 krakakammae (Lindenb.) Steph. = *Cheilolejeunea krakakammae*

LEPIDOZIACEAE

- ARACHNIOPSIS** Spruce
 coactilis Spruce = *A. diacantha*
 diacantha (Mont.) M.Howe C E
 (A. coactilis Spruce)
 (Telaranea sejuncta (Angstr.) S.W.Arnell)
BAZZANIA Gray
 convexa (Lindenb.) Trevis. = *B. nitida*
 decrescens (Lehm. & Lindenb.) Trevis. E
 (B. fusca Steph.)
 decrescens subsp. *molleri* (Steph.) E.W.Jones E
 (B. molleri Steph.)
 fusca Steph. = *B. decrescens*
 molleri Steph. = *B. decrescens* subsp. *molleri*
 nitida (F.Weber) Grolle E
 (B. convexa (Lindenb.) Trevis.)
KURZIA G.Martens
 capillaris (Sw.) Grolle subsp. *capillaris* var. *capillaris*
 Distribution uncertain
 (Microlepidozia tabularis (Steph.) S.W.Arnell)
LEPIDOZIA Dumort.
 hyalina Steph. = *L. pearsonii*
 pearsonii Spruce E
 (L. hyalina Steph.)
MICROLEPIDOZIA Spruce
 tabularis (Steph.) S.W.Arnell = *Kurzia capillaris* subsp.
capillaris var. *capillaris*

TELARANEA Spruce ex Schiffn.
 nematodes (Gottsche ex Austin) M.Howe Distribution
 uncertain
sejuncta (Angstr.) S.W.Arnell = *Arachniopsis diacantha*

LUNULARIACEAE

LUNULARIA Adans.
cruciata (L.) Dumort. ex Lindb. E

MARCHANTIACEAE

DUMORTIERA Nees
hirsuta (Sw.) Nees C E
 MARCHANTIA L. emended Raddi
berteroana Lehm. & Lindenb. E
 (*M. tabularis* Nees)
debilis K.I.Goebel E*
pappeana Lehm. subsp. *pappeana* N E
 (*M. parviloba* Steph.)
 (*M. wilmsii* Steph.)
parviloba Steph. = *M. pappeana* Lehm. subsp. *pappeana*
polymorpha L. E*
tabularis Nees = *M. berteroana*
wilmsii Steph. = *M. pappeana* subsp. *pappeana*

METZGERIACEAE

METZGERIA Raddi
capensis S.W.Arnell = *M. decipiens*
decipiens (C.Massal.) Schiffn. E
 (*M. capensis* S.W.Arnell)
 (*M. perrotana* Steph.)
hamata Lindb. = *M. leptoneura*
leptoneura Spruce E
 (*M. hamata* Lindb., illegitimate name)
limbato-setosa Steph. E
nudifrons Steph. C E
perrotana Steph. = *M. decipiens*

PALLAVICINIACEAE

PALLAVICINIA Gray
lyellii (Hook.) Carruth. C E
 (*P. pilifera* Steph.)
pilifera Steph. = *P. lyellii*
 SYMPHYOGYNA Nees & Mont.
brasiliensis Nees & Mont. C E S
 (*S. lehmanniana* Mont. & Nees)
harveyana Taylor = *S. podophylla*
lehmanniana Mont. & Nees = *S. brasiliensis*
podophylla (Thunb.) Mont. & Nees E
 (*S. harveyana* Taylor)

PLAGIOCHILACEAE

PLAGIOCHILA (Dumort.) Dumort.
barteri Mitt. E
capensis Steph. = *P. kiaeri* var. *capensis*
corymbulosa Pearson = *P. heterostipa*

crispulo-caudata Gottsche = *P. squamulosa* var.
crispulo-caudata
divergens var. *capensis* (Steph.) E.W.Jones = *P. kiaeri*
 var. *capensis*
engleriana Steph. = *P. lastii*
heterostipa Steph. N C E S
 (*P. corymbulosa* Pearson)
 (*P. natalensis* Pearson)
integerrima Steph. E
kiaeri Gottsche var. *capensis* (Steph.) E.W.Jones C*
 (*P. capensis* Steph.)
 (*P. divergens* var. *capensis* (Steph.) E.W.Jones)
lastii Mitt. W* C*
 (*P. engleriana* Steph.)
natalensis Pearson = *P. heterostipa*
sinuosa Mitt. = *P. squamulosa* var. *sinuosa*
squamulosa Mitt. var. *crispulo-caudata* (Gottsche)
 Vanden Berghen E
 (*P. crispulo-caudata* Gottsche)
squamulosa Mitt. var. *sinuosa* (Mitt.) Vanden Berghen
 E
 (*P. sinuosa* Mitt.)

PORELLACEAE

PORELLA L.
capensis (Gottsche) Mitt. E
triquetra (Steph.) E.W.Jones E*

RADULACEAE

RADULA Dumort.
ankefinensis Gottsche ex Steph. E*
 (*R. holstiana* Steph.)
bipinnata Mitt. = *R. boryana*
boryana (F.Weber) Mont. E
 (*R. bipinnata* Mitt.)
capensis Steph. = *R. lindenberghiana*
fulvifolia (Hook.f. & Taylor) Gottsche, Lindenb. &
 Nees W*
holstiana Steph. = *R. ankefinensis*
lindenberghiana Gottsche ex C.Hartm. E
 (*R. capensis* Steph.)

RICCIACEAE

RICCIA L.
atropurpurea Sim C E
cavernosa Hoffm. emended Raddi C
 (*R. rautanenii* (Steph.) Steph.)
congoana Steph. W
 (*R. rhodesiae* S.W.Arnell)
crinita Taylor
 (*R. trichocarpa* M.Howe)
crystallina L. emended Raddi N C
fluitans L. sensu lato N C E
membranaceae Gottsche & Lindenb. N W C E S
microciliata O.H.Volk & Perold N W C
moenkemeyeri Steph. N W
okahandjana S.W.Arnell W S

rautanenii (Steph.) Steph. = *R. cavernosa*
rhodesiae S.W.Arnell = *R. congoana*
rosea O.H.Volk & Perold W*
runssorensis Steph. S
stricta (Lindenb.) Perold N W C E
trichocarpa M.Howe = *R. crinata*

SCHISTOCHILACEAE

GOTTSCHEA Nees ex Mont.

sphagnoides (Schwägr.) Lindb. E
 (*Schistochila limbata* S.W.Arnell)
 (*Schistochila sphagnoides* (Schwägr.) Steph.)

SCHISTOCHILA Dumort.

limbata S.W.Arnell = *Gottschea sphagnoides*
sphagnoides (Schwaegr.) Steph. = *Gottschea sphagnoides*

TARGIONIACEAE

CYATHODIUM Kunze

africanum Mitt. = *C. cavernarum*
cavernarum Kunze N W
 (*C. africanum* Mitt.)

TARGIONIA L.

capensis Huebener = *T. hypophylla*
hypophylla L. N C E
 (*T. capensis* Huebener)

Anthocerotophyta

ANTHOCEROTACEAE

ANTHOCEROS L.

dimorphus Sim W

PHAEOCEROS Prosk.

bolusii (Sim) S.W.Arnell Distribution uncertain
carolinianus (Michx.) Prosk. C E
 (*P. laevis* subsp. *carolinianus* (Michx.) Prosk.)
laevis subsp. *carolinianus* (Michx.) Prosk. = *P. carolinianus*
minutus (Mitt.) S.W.Arnell C

Bryophyta

AMBLYSTEGIACEAE

AMBLYSTEGIUM Bruch, Schimp. & W.Gümbel
riparium (Hedw.) Bruch, Schimp. & W.Gümbel =
Leptodictyum riparium

DREPANOCLADUS (Müll.Hal.) G.Roth.

aduncus var. *aduncus* (Hedw.) Warnst. W C
sparsus Müll.Hal. N W* C

LEPTODICTYUM (Schimp.) Warnst.

riparium (Hedw.) Warnst. N C

(*Amblystegium riparium* Bruch, Schimp. & W.Gümbel)

ANDREAEACEAE

ANDREAEA Hedw.

mildbraedii Broth. Distribution uncertain
rupestris Hedw. var. *rupestris* E

ARCHIDIACEAE

ARCHIDIUM Brid.

acanthophyllum Snider N W C E S
africanum Mitt. = *A. ohioense*
leptophyllum P.de la Varde = *A. ohioense*
muellerianum Snider C E S
ohioense Schimp. ex Müll.Hal. N C E S
 (*A. africanum* Mitt.)
 (*A. leptophyllum* P.de la Varde)
 (*A. pellucidum* Dixon ex Sim)
pellucidum Dixon ex Sim = *A. ohioense*

BARTRAMIACEAE

BARTRAMIA Hedw.

afrouncinata Müll.Hal. = *Philonotis dregeana*
aristaria Müll.Hal. W E
 (*Breutelia aristaria* (Müll.Hal.) Broth.)
hampeana Müll.Hal. E
 (*B. penicillata* Müll.Hal.)
 (*B. ramentosa* Müll.Hal.)

penicillata Müll.Hal. = *B. hampeana*
ramentosa Müll.Hal. = *B. hampeana*

BARTRAMIDULA Bruch, Schimp. & W.Gümbel
globosa (Müll.Hal.) Broth. = *Philonotis globosa*
 BREUTELIA (Bruch, Schimp. & W.Gümbel)

Hampe

angustifolia Rehmann ex Sim = *B. microdonta*
aristaria (Müll.Hal.) Broth. = *Bartramia aristaria*
diffracta Mitt. E
 (*B. subgnaphalea* (Müll.Hal.) Kindb.)
microdonta (Mitt.) Broth. E
 (*B. angustifolia* Rehmann ex Sim)
subgnaphalea (Müll.Hal.) Kindb. = *B. diffracta*

PHILONOTIS Brid.

africana (Müll.Hal.) Rehmann ex Paris N W C E S
afrocapillaris Dixon ex Sim = *P. dregeana*
afrofontana (Müll.Hal.) Paris = *P. falcata*
androgyna (Hampe) A.Jaeger W* S*
dregeana (Müll.Hal.) A.Jaeger N W C E S
 (*Bartramia afrouncinata* Müll.Hal.)
 (*P. afrocapillaris* Dixon ex Sim)
falcata (Hook.) Mitt. E
 (*P. afrofontana* (Müll.Hal.) Paris)
globosa (Müll.Hal.) D.G.Griffin & W.R.Buck E*
 (*Bartramidula globosa* (Müll.Hal.) Broth.)
hastata (Duby) Wijk & Margad. N W E S
 (*P. imbricatula* Mitt.)
 (*P. laxissima* (Müll.Hal.) Mitt.)
imbricatula Mitt. = *P. hastata*
laeviuscula Dixon E*
laxissima (Müll.Hal.) Mitt. = *P. hastata*

BRACHYTHECIACEAE

- BRACHYTHECIUM Bruch, Schimp. & W.Gümbel
implicatum (Hornsch. ex Müll.Hal.) A.Jaeger W* E S*
salebrosium (Hoffm. ex F.Weber & D.Mohr) Bruch,
 Schimp. & W.Gümbel E*
 PLATYHYPNIDIUM M.Fleisch.
mac-owanianum (Paris) M.Fleisch. N* E
 (*Rhynchostegium macowanianum* Paris)
 RHYNCHOSTEGIELLA (Bruch, Schimp. &
 W.Gümbel) Limpr.
holstii (Broth.) Broth. E
tenella var. *tenella* (Dicks.) Limpr. E*
zeyheri (Spreng. ex Müll.Hal.) Broth. Distribution
 uncertain
 RHYNCHOSTEGIUM Bruch, Schimp. & W.Gümbel
brachypterum (Hornsch.) A.Jaeger W C E
macowanianum Paris = *Platyhypnidium mac-*
owanianum
rhapidorrhynchum (Müll.Hal.) A.Jaeger E

BRUCHIACEAE

- CLADOPHASCUM Dixon
gymnomitrioides (Dixon) Dixon W S
 (*Aongstroenia gymnomitrioides* Dixon)
 TREMATODON Michx.
africanus Wager & Dixon = *T. longicollis*
flexifolius Müll.Hal. = *T. longicollis*
intermedius Welw. & Duby = *T. paradoxus*
ligulatus Rehmann ex Roth. = *T. mayottensis*
longicollis Michx. N W C
 (*T. africanus* Wager & Dixon)
 (*T. flexifolius* Müll.Hal.)
 (*T. pallidus* Müll.Hal.)
mayottensis Besch. W C E
 (*T. ligulatus* Rehmann ex Roth.)
pallidus Müll.Hal. = *T. longicollis*
paradoxus Hornsch. var. *paradoxus* C E S
 (*T. intermedius* Welw. & Duby)
paradoxus var. *nanus* (Welw. & Duby) Sim C*

BRYACEAE

- ANOMOBRYUM Schimp.
filiforme (Dicks.) Husn., illegitimate name = *A.*
julaceum
julaceum (Schrad. ex P.Gaertn., B.Mey. & Scherb.)
 Schimp. var. *julaceum* N W C E
 (*A. filiforme* (Dicks.) Husn., illegitimate name)
 BRACHYMENIUM Schwägr.
acuminatum Harv. N W C E S
 (*B. borgenianum* Hampe)
 (*B. lonchopus* P.de la Varde)
angolense (Welw. & Duby) A.Jaeger = *B. systylium*
borgenianum Hampe = *B. acuminatum*
dicranoides (Hornsch.) A.Jaeger W* E* S*
 (*B. liliputanum* (Müll.Hal.) Broth.)
exile (Dozy & Molk.) Bosch & Sande Lac. N* S*
julaceum Hornsch. = *B. pulchrum*

- leptophyllum* (Bruch & Schimp. ex Müll.Hal.) Bruch
 & Schimp. ex A.Jaeger N W* C E S*
 (*B. variabile* Dixon)
liliputanum (Müll.Hal.) Broth. = *B. dicranoides*
lonchopus P.de la Varde = *B. acuminatum*
philonotula Broth. W*
pulchrum Hook. W C E
 (*B. julaceum* Hornsch.)
rhodesiae Dixon = *B. rigidum*
rigidum Broth. & Paris C E
 (*B. rhodesiae* Dixon)
systylium (Müll.Hal.) A.Jaeger N W C E S*
 (*B. angolense* (Welw. & Duby) A.Jaeger)
variabile Dixon = *B. leptophyllum*

BRYUM Hedw.

- afroalpinum* Müll.Hal. = *B. alpinum* var. *alpinum*
alpinum var. *alpinum* Huds. ex With. E
 (*B. afroalpinum* Müll.Hal.)
andicola Hook. N C E S
 (*B. pumiliroseum* Dixon)
arachnoideum Müll.Hal. N* C*
argenteum var. *argenteum* Hedw. N W C E S
 (*B. argenteum* var. *lanatum* (P.Beauv.) Hampe)
 (*B. argenteum* var. *proliferum* Sim)
argenteum var. *australe* Rehmann ex Dixon W*
argenteum var. *lanatum* (P.Beauv.) Hampe = *B.*
argenteum var. *argenteum*
argenteum var. *proliferum* Sim = *B. argenteum* var.
argenteum
argenteum var. *rotundifolium* Sim = *B. cellulare*
aterrimum Müll.Hal. ex Sim = *B. torquescens*
aulacomnioides Müll.Hal. = *B. pseudotriquetrum*
bicolor Dicks. = *B. dichitomum*
canariense Brid. N W C E S
 (*B. canariensiforme* Dixon)
 (*B. condensatum* Hampe)
canariensiforme Dixon = *B. canariense*
capillare Hedw. N W C E
cellulare Hook. N W* C S
 (*B. argenteum* Hedw. var. *rotundifolium* Sim)
condensatum Hampe = *B. canariense*
coronatum Schwägr. N C
decursivum Müll.Hal. = *B. torquescens*
dichitomum Hedw. N W C E S
 (*B. bicolor* Dicks.)
ecklonianum Müll.Hal. = *Pohlia nutans*
humidulum Sull. & Lesq. = *Pohlia nutans*
keniae Müll.Hal. N E S
 (*Rhodobryum keniae* (Müll.Hal.) Broth.)
 (*Rhodobryum pertomentosum* Dixon)
lonchopyxis Müll.Hal. = *B. torquescens*
mundtii Müll.Hal. C*
pseudotriquetrum (Hedw.) P.Gaertn., B.Mey. & Scherb. E
 (*B. aulacomnioides* Müll.Hal.)
pumiliroseum Dixon = *B. andicola*
pyncophyllum (Dixon) Mohamed W* E S
 (*B. truncorum* (Brid.) Brid. var. *pyncophyllum* Dixon)
torquescens Bruch ex De Not. N W C E
 (*B. aterrimum* Müll.Hal. ex Sim)
 (*B. decursivum* Müll.Hal.)

(*B. lonchopyxis* Müll.Hal.)

truncorum (Brid.) Brid. var. *pyncophyllum* Dixon = *B.*

pyncophyllum

umbraculum Bruch ex Hook. S*

(*Rhodobryum umbraculum* (Hook.) Schimp. ex Paris)

voeltzkowii Broth. S*

viridescens Welw. & Duby N C E

MIELICHHOFERIA Nees & Hornsch.

bryoides (Harv.) Wijk & Margad. C E S*

(*M. ecklonii* Hornsch.)

(*M. rehmannii* Müll.Hal.)

(*M. transvaaliensis* Müll.Hal.)

ecklonii Hornsch. = *M. bryoides*

rehmannii Müll.Hal. = *M. bryoides*

transvaaliensis Müll.Hal. = *M. bryoides*

PLAGIOBRYUM Lindb.

zierii (Dicks. ex Hedw.) Lindb. N*

POHLIA Hedw.

elongata Hedw. C E

(*Webera elongata* (Hedw.) Schwägr.)

(*Webera leptoblepharon* (Müll.Hal.) A.Jaeger)

nutans (Hedw.) Lindb. E

(*Bryum ecklonianum* Müll.Hal.)

(*Bryum humidulum* Sull. & Lesq.)

(*Webera afronutans* (Müll.Hal.) Paris)

(*Webera nutans* Hedw.)

RHODOBRYUM (Schimp.) Limpr.

commersonii (Schwägr.) Brid. E

keniae (Müll.Hal.) Broth. = *Bryum keniae*

pertomentosum Dixon = *Bryum keniae*

umbraculum (Hook.) Schimp. ex Paris = *Bryum*

umbraculum

WEBERA Hedw.

afronutans (Müll.Hal.) Paris = *Pohlia nutans*

elongata (Hedw.) Schwägr. = *Pohlia elongata*

leptoblepharon (Müll.Hal.) A.Jaeger = *Pohlia elongata*

nutans Hedw. = *Pohlia nutans*

CALYMPERACEAE

CALYMPERES Sw. ex F.Weber

afzelii Sw. W

(*C. dusenii* Müll.Hal. ex Besch.)

(*C. victoriae* Dixon)

dusenii Müll.Hal. ex Besch. = *C. afzelii*

pallidum Mitt. N

(*C. rabenhorstii* Hampe & Müll.Hal.)

rabenhorstii Hampe & Müll.Hal. = *C. pallidum*

victoriae Dixon = *C. afzelii*

OCTOBLEPHARUM Hedw.

albidum Hedw. N W C E S

SYRRHOPODON Schwägr.

asper Mitt. E

(*S. gomesii* P.de la Varde)

(*S. mildbraedii* Broth. in Mildbr.)

dregei Hornsch. = *Hypodontium dregei*

erectifolius Müll.Hal. = *S. gaudichaudii*

gaudichaudii Mont. E

(*S. erectifolius* Müll.Hal.)

(*S. pulvinaris* Paris)

(*S. uncinifolius* Müll.Hal.)

gomesii P.de la Varde = *S. asper*

mildbraedii Broth. in Mildbr. = *S. asper*

perichaetialis Bruch ex Krauss = *Hypodontium dregei*

pulvinaris Paris = *S. gaudichaudii*

uncinifolius Müll.Hal. = *S. gaudichaudii*

DICRANACEAE

AONGSTROEMIA Bruch & Schimp.

filiformis (P.Beauv.) Wijk & Margad. E

gymnomitrioides Dixon = *Cladophascum*

gymnomitrioides

CAMPYLOPUS Brid.

altovirescens (Müll.Hal.) Paris = *C. robillardei*

ampliretus (Müll.Hal.) Cardot = *C. flaccidus*

aureonitens (Müll.Hal.) A.Jaeger Distribution uncertain

(*C. lonchoclados* Müll.Hal.)

(*C. symonsii* Sim)

bequaertii Thér. & Naveau = *C. savannarum*

bryhnii Broth. = *C. nanophyllum*

capensis Broth. = *C. thwaitesii*

chlorotrichus (Müll.Hal.) Paris = *C. thwaitesii*

consociatus Thér. = *C. flaccidus*

controversus (Hampe) A.Jaeger = *C. thwaitesii*

decaryi Thér. N* S*

delagoae (Müll.Hal.) Paris = *C. savannarum*

echinatus Rehmann ex Sim, illegitimate name = *C.*

introflexus

edwardsii Sim = *C. flaccidus*

flaccidus Renaud & Cardot E

(*C. ampliretus* (Müll.Hal.) Cardot)

(*C. consociatus* Thér.)

(*C. edwardsii* Sim)

griseolus (Müll.Hal.) Paris = *C. pilifer* subsp. *pilifer*

inchangae (Rehmann ex Müll.Hal.) Paris = *C.*

robillardei

introflexus (Hedw.) Brid. N W C E S

(*C. echinatus* Rehmann ex Sim, illegitimate name)

(*C. lepidophyllum* (Müll.Hal.) A.Jaeger)

jamesonii (Hook.) A.Jaeger E

(*C. procerus* (Müll.Hal.) Paris)

lepidophyllum (Müll.Hal.) A.Jaeger = *C. introflexus*

lonchoclados Müll.Hal. = *C. aureonitens*

nanophyllum Müll.Hal. ex Broth. C*

(*C. bryhnii* Broth.)

pallidus Hook.f. & Wilson = *C. pyriformis*

perpusillus Mitt. N W E S

(*Microcampylopus perpusillus* (Mitt.) Broth.)

pilifer subsp. *pilifer* Brid. W S

(*C. griseolus* (Müll.Hal.) Paris)

(*C. purpurascens* Lorentz)

(*C. trichodes* Lorentz)

procerus (Müll.Hal.) Paris = *C. jamesonii*

purpurascens Lorentz = *C. pilifer* subsp. *pilifer*

pyriformis var. *pyriformis* (F.W.Schultz) Brid. E

(*C. pallidus* Hook.f. & Wilson)

robillardei Besch. N C E

(*C. altovirescens* (Müll.Hal.) Paris)

(*C. inchangae* (Rehmann ex Müll.Hal.) Paris)

CAMPYLOPUS Brid. (cont.)

savannarum (Müll.Hal.) Mitt. N W C E S

(C. bequaertii Thér. & Naveau)

(C. delagoae (Müll.Hal.) Paris)

stenopelma (Müll.Hal.) Rehmann ex Paris = C. thwaitesii

subchlorophyllosus Müll.Hal. = Sphaerothercium

subchlorophyllosum

symonsii Sim = C. aureonitens

thwaitesii (Mitt.) A.Jaeger E

(C. capensis Broth.)

(C. chlorotrichus (Müll.Hal.) Paris)

(C. controversus (Hampe) A.Jaeger)

(C. stenopelma (Müll.Hal.) Rehmann ex Paris)

trichodes Lorentz = C. pilifer subsp. pilifer

DICRANELLA (Müll.Hal.) Schimp.

subsubulata (Hampe ex Müll.Hal.) A.Jaeger E*

(Microcampylopus pusillus Müll.Hal., illegitimate name)

HOLOMITRIUM Brid.

cylindraceum (P.Beauv.) Wijk & Margad. var.

cucullatum (Besch.) Wijk & Margad. E

LEUCOLOMA Brid.

haakoni Broth. & Bryhn = L. syrrhopodontioides

schelpei P.de la Varde E

syrrhopodontioides Broth. E

(L. haakonii Broth. & Bryhn.)

woodii Rehmann & Maclea ex Wager = L. zuluense

var. zuluense

zuluense Broth. & Bryhn. var. zuluense E*

(L. woodii Rehmann & Maclea ex Wager)

MICROCAMPYLOPUS (Müll.Hal.) M.Fleisch.

perpusillus (Mitt.) Broth. = Campylopus perpusillus

pusillus Müll.Hal., illegitimate name = Dicranella

subsubulata

RHABDOWEISA Bruch, Schimp. & W.Gümbel

fugax (Hedw.) Bruch, Schimp. & W.Gümbel E

SPHAEROTHECIUM Hampe

subchlorophyllosum (Müll.Hal.) J.-P.Frahm E

(Campylopus subchlorophyllosus Müll.Hal.)

DITRICHACEAE

DITRICHUM Hampe

brachypodium (Müll.Hal.) Broth. N E

(D. brevifolium (Müll.Hal.) Broth.)

(D. hymenodontium Dixon)

brevifolium (Müll.Hal.) Broth. = D. brachypodium

difficile (Duby) M.Fleisch. E

(D. flexifolium Hampe)

flexifolium Hampe = D. difficile

hymenodontium Dixon = D. brachypodium

PLEURIDIUM Rabenh.

breutelianum (Hampe) A.Jaeger = P. pappeanum

pappeanum (Müll.Hal.) A.Jaeger E

(P. breutelianum (Hampe) A.Jaeger)

ENTODONTACEAE

ENTODON Müll.Hal.

brevirameus Dixon = E. macropodus

cymbifolius Wager & Dixon E S*

dregeanus (Hornsch.) Müll.Hal. = E. macropodus

macropodus (Hedw.) Müll.Hal. E S

(E. brevirameus Dixon)

(E. dregeanus (Hornsch.) Müll.Hal.)

ERYTHRODONTIUM Hampe

subulaceum (Müll.Hal.) Paris S*

EPHEMERACEAE

EPHEMERUM Hampe

rehmannii (Müll.Hal.) Broth. Distribution uncertain

ERPODIACEAE

AULACOPILUM Wilson

trichophyllum (Ångström ex Müll.Hal.) I.G.Stone =

Erpodium glaucum var. trichophyllum

ERPODIUM (Brid.) Brid.

beccarii var. beccarii Müll.Hal. ex Venturi N W C S

(E. hanningtonii Mitt.)

glaucum var. trichophyllum (Ångström ex Müll.Hal.)

I.G. Stone S*

(Aulacopilum trichophyllum Ångström ex Müll.Hal.)

grossirete Müll.Hal. N W*

hanningtonii Mitt. = E. beccarii var. beccarii

FABRONIACEAE

FABRONIA Raddi

abyssinica Müll.Hal. W* S*

leikipiae Müll.Hal. C* S*

pilifera Hornsch. N W C E S

rehmannii Müll.Hal. S*

victoriae Dixon W*

RHIZOFABRONIA (Broth.) M.Fleisch.

persoonii (Schwägr.) M.Fleisch. var. sphaerocarpa

(Dusén) Bizot ex Ochrya E

(R. sphaerocarpa (Dusén) M.Fleisch.)

sphaerocarpa (Dusén) M.Fleisch. = R. persoonii var.

sphaerocarpa

FISSIDENTACEAE

FISSIDENS Hedw.

amblyophyllus Müll.Hal. = F. asplenioides

androgynus Bruch & C.Krauss = F. bryoides

asplenioides Hedw. C E

(F. amblyophyllus Müll.Hal.)

beckettii Mitt. N C

(F. simii Schelpe)

bogosicus Müll.Hal. N S

(F. calochlorus Dixon)

(F. hyalobasis Dixon ex Sim)

(F. microandrogynus Dixon)

(F. parvilimbatus Sim)

borgenii Hampe N W C E

(F. paucilimbatus P.de la Varde)

breutelii Schimp. ex Müll.Hal. = F. rufescens

bryoides Hedw. var. bryoides N W C E S

(F. androgynus Bruch & C.Krauss)

(F. gueinzii Müll.Hal.)

calochlorus Dixon = F. bogosicus

capensis (Müll.Hal.) Broth. = *F. palmifolius*
corrugatulus Dixon = *F. somaliae*
crassipes subsp. *philibertii* Besch. = *F. crassipes* subsp. *warnstorffii*
crassipes subsp. *warnstorffii* (M.Fleisch.) Brugg.-Nann. W
 (F. *crassipes* subsp. *philibertii* Besch.)
crispulus Brid. E
curvatus Hornsch. var. *curvatus* W E
 (F. *cuspidatus* Müll.Hal.)
 (F. *gracile* Hampe ex Müll.Hal.)
cuspidatus Müll.Hal. = *F. curvatus* var. *curvatus*
dubiosus Dixon = *F. leucocinctus*
enervis Sim E
 (F. *enervis* var. *hedbergii* (P.de la Varde) Bizot)
enervis var. *hedbergii* (P.de la Varde) Bizot = *F. enervis*
erosulus (Müll.Hal.) Paris N W C E S
flaccidus Mitt. N W C
glauescens Hornsch. = *F. ovatus*
gracile Hampe ex Müll.Hal. = *F. curvatus* var. *curvatus*
gueinzii Müll.Hal. = *F. bryoides*
hyalobasis Dixon ex Sim = *F. bogosicus*
lanceolatus Hampe = *F. ovatus*
latifolius Dixon = *F. megalotis* subsp. *helictocaulos*
leucocinctus Hampe W*
 (F. *dubiosus* Dixon)
megalotis Schimp. ex Müll.Hal. subsp. *helictocaulos*
 (Müll.Hal.) Brugg.-Nann. W S
 (F. *latifolius* Dixon)
menyharti Müll.Hal. W
microandrogynus Dixon = *F. bogosicus*
nitens Rehm ex E.S.Salmon = *F. porrectus*
ovatus Brid. N W E
 (F. *glauescens* Hornsch.)
 (F. *lanceolatus* Hampe)
 (F. *rehmannii* Müll.Hal.)
palmifolius (P.Beauv.) Broth. W*
 (F. *capensis* (Müll.Hal.) Broth.)
parvilimbatus Sim = *F. bogosicus*
paucilimbatus P.de la Varde = *F. borgenii*
plumosus Hornsch. E
porrectus Mitt. E
 (F. *nitens* Rehm ex E.S.Salmon)
 (F. *rufolimbatus* Cardot)
pseudoserriatus (Müll.Hal.) A.Jaeger E
pygmaeus Hornsch. N W
 (F. *stellenboschianus* Dixon)
rehmannii Müll.Hal. = *F. ovatus*
rufescens Hornsch. N W C E S
 (F. *breutelii* Schimp. ex Müll.Hal.)
rufolimbatus Cardot = *F. porrectus*
sciophyllus Mitt. forma *sciophyllus* N W C E
 (F. *subobtusatus* Müll.Hal.)
serratus Müll.Hal. var. *serratus* E
simii Schelpe = *F. beckettii*
somaliae Müll.Hal. W
 (F. *corrugatulus* Dixon)
stellenboschianus Dixon = *F. pygmaeus*
submarginatus Bruch N W C
subobtusatus Müll.Hal. = *F. sciophyllus* forma *sciophyllus*

FUNARIACEAE

ENTOSTHODON Schwägr.

dixonii Sim = *Funaria longicollis*
gracilescens Müll.Hal. = *Funaria limbata*
marginatus Müll.Hal. = *Funaria limbata*
spatulatus (Schimp. ex Müll.Hal.) Sim = *Funaria*
spatulata

FUNARIA Hedw.

ampliretis (Rehmann ex Müll.Hal.) Broth. = *F.*
limbata

harveyana Magill = *F. succuleata*
hygrometrica var. *hygrometrica* Hedw. N C E
 (F. *lonchopelma* Müll.Hal.)

limbata (Müll.Hal.) Broth. N

(*Entosthodon gracilescens* Müll.Hal.)
 (*Entosthodon marginatus* Müll.Hal.)
 (F. *ampliretis* (Rehmann ex Müll.Hal.) Broth.)
 (F. *micropyxis* (Müll.Hal.) Broth.)

lonchopelma Müll.Hal. = *F. hygrometrica* var.
hygrometrica

longicollis Dixon W* S*

(*Entosthodon dixonii* Sim)

micropyxis (Müll.Hal.) Broth. = *F. limbata*

rhomboidea J.Shaw N

(F. *schinzii* (Geh.) Broth.)
 (*Physcomitrium rivale* (Geh.) Broth.)

rufinervis Dixon = *F. urceolata*

schinzii (Geh.) Broth. = *F. rhomboidea*

spatulata Schimp. ex Müll.Hal. N E

(*Entosthodon spatulatus* (Schimp. ex Müll.Hal.) Sim)

succuleata (Wager & C.H.Wright) Broth. ex Magill N
 W C E

(F. *harveyana* Magill)

urceolata (Mitt.) Magill E

(F. *rufinervis* Dixon)

MICROPOMA Lindb.

niloticum (Delile) Lindb. = *Physcomitrium niloticum*

PHYSCOMITRIUM (Brid.) Brid.

niloticum (Delile) Müll.Hal. N W

(*Micropoma niloticum* (Delile) Lindb.)

rivale (Geh.) Broth. = *Funaria rhomboidea*

spatulatum var. *spatulatum* (Hornsch.) Müll.Hal.
 W* C

GRIMMIACEAE

GRIMMIA Hedw.

affinis Hornsch. = *G. longirostris*
longirostris Hook. Distribution uncertain
 (G. *affinis* Hornsch.)

RACOMITRIUM Brid.

austropatens Broth. = *R. crispulum*

capense Lorentz = *R. crispulum*

crispulum (Hook.f. & Wilson) Hook.f. & Wilson E*
 (R. *austropatens* Broth.)

(R. *capense* Lorentz)

(R. *drakensbergense* Sim)

drakensbergense Sim = *R. crispulum*

HEDWIGIACEAE

- BRAUNIA** Bruch, Schimp. & W.Gümbel
arbuscula (Welw. & Duby) A.Gepp S*
brachytheca (Dixon) Broth. = *B. secunda*
diaphana (Müll.Hal.) A.Jaeger = *B. secunda*
erosa Müll.Hal. = *Hedwigidium integrifolium*
macowaniana Müll.Hal. = *Hedwigidium integrifolium*
peristomata Dixon in Sim & Dixon = *Felipponea*
assimilis
secunda (Hook.) Bruch, Schimp. & W.Gümbel W C
 E S
 (*B. brachytheca* (Dixon) Broth.)
 (*B. diaphana* (Müll.Hal.) A.Jaeger)
- HEDWIGIA** P.Beauv.
albicans (Hedw.) P.Beauv. S*
- HEDWIGIDIUM** Bruch, Schimp. & W.Gümbel
integrifolium (P.Beauv.) Dixon E
 (*Braunia erosa* Müll.Hal.)
 (*Braunia macowaniana* Müll.Hal.)

HYPNACEAE

- CHRYSO-HYPNUM** Hampe
cavifolium (Dixon) Ochya & Sharp E
 (*Mittenothamnium cavifolium* (Dixon) Wijk & Margad.)
- ECTROPOTHECIUM** Mitt.
brachycarpum (Dixon) Magill E
 (*E. brevisetum* Dixon, illegitimate name)
 (*Isopterygium brachycarpum* Dixon)
brevisetum Dixon, illegitimate name = *E. brachycarpum*
paillotii Renauld & Cardot Distribution uncertain
perrotii Renauld & Cardot W* E
regulare (Brid.) A.Jaeger C* E
- HYPNUM** Hedw.
aduncoides (Brid.) Müll.Hal. = *H. macrogynum*
cupressiforme Hedw. var. *cupressiforme* N* C* E
macrogynum Besch. W*
 (*H. aduncoides* (Brid.) Müll.Hal.)
- ISOPTERYGIUM** Mitt.
aquaticum Dixon N C
brachycarpum Dixon = *Ectropothecium brachycarpum*
leucophanes (Hampe ex Müll.Hal.) A.Jaeger C E
- MITTENOTHAMNIUM** Henn.
cavifolium (Dixon) Wijk & Margad. = *Chryso-*
hypnum cavifolium
cygnicollum (Dixon) Wijk & Margad. = *M. reptans*
proreptans (Müll.Hal.) Cardot = *M. pseudoreptans*
pseudoreptans (Müll.Hal.) Cardot E
 (*M. proreptans* (Müll.Hal.) Cardot)
reptans (Hedw.) Cardot E
 (*M. cygnicollum* (Dixon) Wijk & Margad.)
- RHACOPILOPSIS** Renauld & Cardot
flexilis (Renauld & Cardot) W.R.Buck = *R.*
variegatum
guineensis (Broth. & Paris) W.R.Buck = *R. variegatum*
transvaaliensis (Thér. & Dixon ex Sim) W.R.Buck = *R.*
trinitensis
trinitensis (Müll.Hal.) E.Britton ex Dixon Distribution
 uncertain
 (*R. transvaaliensis* (Thér. & Dixon ex Sim) W.R.Buck)

- variegatum* (Welw. & Duby) M.C.Watling & O'Shea
 Distribution uncertain
 (*R. flexilis* (Renauld & Cardot) W.R.Buck)
 (*R. guineensis* (Broth. & Paris) W.R.Buck)
- VESICULARIA** (Müll.Hal.) (Müll.Hal.)
galerulata (Duby) Broth. E
 (*V. sphaerocarpa* (A.Jaeger) Broth.)
sphaerocarpa (A.Jaeger) Broth. = *V. galerulata*

HYPOPTERYGIACEAE

- HYPOPTERYGIUM** Brid.
laricinum (Hook.) Brid. = *H. tamarisci*
pennaeforme (Brid.) Hornsch. = *Lopidium*
pennaeforme
tamarisci (Sw.) Brid. ex Müll.Hal. E
 (*H. laricinum* (Hook. Brid.)
- LOPIDIUM** Hook.f. & Wilson
pennaeforme (Thunb. ex Brid.) M.Fleisch. E
 (*Hypopterygium pennaeforme* (Brid.) Hornsch.)

LEPTODONTACEAE

- LEPTODON** D.Mohr
smithii (Hedw.) F.Weber & D.Mohr N*

LESKEACEAE

- LINDBERGIA** Kindb.
haplocyadioides Dixon E
patentifolia Dixon W E S*
pseudoleskeoides Dixon E S*
- PSEUDOLESKEA** Bruch, Schimp. & W.Gümbel
claviramea (Müll.Hal.) A.Jaeger = *Pseudoleskeopsis*
claviramea
leskeoides (Paris) Müll.Hal. S*
 (*P. macowaniana* Müll.Hal.)
macowaniana Müll.Hal. = *P. leskeoides*
- PSEUDOLESKEOPSIS** Broth.
claviramea (Müll.Hal.) Thér. C E S
 (*Pseudoleskea claviramea* (Müll.Hal.) A.Jaeger)

LEUCOBRYACEAE

- LEUCOBRYUM** Hampe
acutifolium (Mitt.) Cardot N C E
 (*L. gueinzii* Müll.Hal.)
gueinzii Müll.Hal. = *L. acutifolium*
madagassum Besch. C E S

LEUCODONTACEAE

- FELIPPONEA** Broth.
assimilis (Müll.Hal.) O'Shea W C E S
 (*Braunia peristomata* Dixon in Sim & Dixon)
 (*Leucodon assimilis* (Müll.Hal.) A.Jaeger)
 (*Leucodon assimilis* (Müll.Hal.) A.Jaeger var. *humilis* Sim)
- LEUCODON** Schwägr.
assimilis (Müll.Hal.) A.Jaeger = *Felipponea assimilis*
assimilis (Müll.Hal.) A.Jaeger var. *humilis* Sim =
Felipponea assimilis

METEORACEAE

- AEROBRYOPSIS** M.Fleisch.
capensis (Müll.Hal.) M.Fleisch. E
ORTHOSTICHELLA (Müll.Hal.) W.R.Buck E S
pandurifolia (Müll.Hal.) W.R.Buck E S
(Pilotrichella panduraefolia (Müll.Hal.) A.Jaeger)
(Pilotrichella conferta Renauld & Cardot)
(Pilotrichella cuspidata Broth.)
PAPILLARIA (Müll.Hal.) Lorentz
africana (Müll.Hal.) A.Jaeger E
PILOTRICHELLA (Müll.Hal.) Besch.
panduraefolia (Müll.Hal.) A.Jaeger = *Orthostichella*
pandurifolia
conferta Renauld & Cardot = *Orthostichella*
pandurifolia
cuspidata Broth. = *Orthostichella pandurifolia*
SQUAMIDIUM (Müll.Hal.) Broth.
biforme (Hampe) Broth. = *S. brasiliense*
brasiliense (Hornsch.) Broth. E
(S. biforme (Hampe) Broth.)
(S. rehmannii (Müll.Hal.) Broth.)
rehmannii Müll.Hal. Broth. = *S. brasiliense*

MNIACEAE

- PLAGIOMNIUM** T.J.Kop.
rhynchophorum (Hook.) T.J.Kop. E

NECKERACEAE

- NECKERA** Hedw.
pennata Hedw. E
POROTHAMNIUM M.Fleisch.
comorensis (Müll.Hal.) Sim = *Porotrichum*
elongatum
hildebrandtii (Müll.Hal.) M.Fleisch. = *P. stipitatum*
pennaeforme (Müll.Hal.) M.Fleisch. = *Porotrichum*
madagassum
pennaeforme (Müll.Hal.) Cardot = *Porotrichum*
madagassum
stipitatum (Mitt.) Touw ex De Sloover E
(P. hildebrandtii (Müll.Hal.) M.Fleisch.)
POROTRICHUM (Brid.) Hampe
elongatum (Welw. & Duby) A.Gepp E
(Porothamnium comorensis (Müll.Hal.) Sim)
madagassum Kiaer ex Besch. E
(Porothamnium pennaeforme (Müll.Hal.) M.Fleisch.)
(Porothamnium pennaeforme (Müll.Hal.) Cardot)
molliculum Broth. = *P. usagarum*
usagarum Mitt. E*
(P. molliculum Broth.)

ORTHOTRICHACEAE

- MACROCOMA** (Müll.Hal.) Grout
tenuis (Hook. & Grev.) Vitt subsp. *tenuis* W C E S
(Macromitrium confusum Mitt.)
(Macromitrium tenue (Hook. & Grev.) Brid.)
MACROMITRIUM Brid.

- confusum* Mitt. = *Macrocoma tenuis* subsp. *tenuis*
levatum Mitt. = *M. sulcatum*
tenue (Hook. & Grev.) Brid. = *Macrocoma tenuis*
sulcatum (Hook.) Brid. E
(M. levatum Mitt.)

- SCHLOTHEIMIA** Brid.
ferruginea (Bruch ex Hook. & Grev.) Brid. E
(S. subventrosa Broth. & Bryhn)
grevilleana Mitt. E
(S. schweinfurthii Müll.Hal.)
illecebra Schimp. ex Besch. E
percuspidata Müll.Hal. E
rufoaeruginosa Müll.Hal. E*
subventrosa Broth. & Bryhn = *S. ferruginea*
schweinfurthii Müll.Hal. = *S. grevilleana*
ZYGODON Hook. & Taylor
trichomitrius Hook. & Wilson W C E
simii Dixon = *Leptodontium viticulosoides* var.
viticulosoides

PILOTRICHACEAE

- CALLICOSTELLA** (Müll.Hal.) Mitt.
pusilla Demaret & P.de la Varde C
CYCLODICTYON Mitt.
aubertii (P.Beauv.) Kuntze E
bretelianum (Hampe) Kuntze = *C. vallis-gratiae*
delicatum P.de la Varde E*
laete-virens (Hook. & Taylor) Mitt. E
vallis-gratiae (Hampe ex Müll.Hal.) Kuntze E
(C. bretelianum (Hampe) Kuntze)
HOOKERIOPSIS (Besch.) A.Jaeger
mittenii P.de la Varde E

PLAGIOTHECIACEAE

- PLAGIOTHECIUM** Bruch, Schimp. & W.Gümbel
rhynchostegioides Müll.Hal. W C E

POLYTRICHACEAE

- ATRICHUM** P.Beauv
androgynum (Müll.Hal.) A.Jaeger E
(A. borbonicum Besch.)
borbonicum Besch. = *A. androgynum*
POGONATUM P.Beauv.
belangeri (Müll.Hal.) A.Jaeger E
(P. thierotii Demaret & V.Leroy)
borgenii (Hampe) A.Jaeger = *P. capense*
capense (Hampe) A.Jaeger W* C E
(P. borgenii (Hampe) A.Jaeger)
(Polytrichum transvaaliense Müll.Hal.)
thierotii Demaret & V.Leroy = *P. belangeri*
POLYTRICHUM Hedw.
appressum Brid. = *P. subpilosum*
commune Hedw. N W* C E
(P. commune Hedw. var. *trichodes* (Müll.Hal.) Dixon)
(P. madagassum (Hampe) A.Jaeger)
commune Hedw. var. *trichodes* (Müll.Hal.) Dixon = *P.*
commune

POLYTRICHUM Hedw. (cont.)

- madagassum* (Hampe) A.Jaeger = *P. commune*
piliferum Hedw. E
pungens Müll.Hal. = *P. subpilosum*
subpilosum P.Beauv. N W E S*
 (*P. appressum* Brid.)
 (*P. pungens* Müll.Hal.)
transvaaliense Müll.Hal. = *Pogonatum capense*

POTTIACEAE

ALOIDIA Kindb.

- brevirostris* (Hook. & Grev.) Kindb. C

BARBULA Hedw.

- afrofontana* (Müll.Hal.) Broth. var. *acutiuscula* P.de la Varde W
crinita Schultz = *Pseudocrossidium crinitum*
eubryum Müll.Hal. N W C E S
 (*Tortula eubryum* (Müll.Hal.) Broth.)
indica var. *indica* (Hook.) Spreng. N W C E
 (*B. natalensis* Müll.Hal.)
 (*B. rehmannii* Müll.Hal.)
 (*B. stuhlmannii* (Broth.) Brid.)
 (*Hymenostomum opacum* Wager & Dixon)
 (*Tortula rehmannii* (Müll.Hal.) Sim)
natalensis Müll.Hal. = *B. indica*
rehmannii Müll.Hal. = *B. indica*
salisburyensis Dixon N W C E
stuhlmannii (Broth.) Brid. = *B. indica*
torquatifolia Geh. = *Pseudocrossidium porphyreoneurum*
umtaliensis Magill E
zambesiaca Magill W

BRYOERYTHROPHYLLUM P.C.Chen

- afrobellum* (Broth. & Wager) De Sloover = *B. campylocarpum*
campylocarpum (Müll.Hal.) H.A.Crum N
 (*B. afrobellum* (Broth. & Wager) De Sloover)
 (*B. jamesonii* (Taylor) H.A.Crum)

- jamesonii* (Taylor) H.A.Crum = *B. campylocarpum*

CHENIA R.H.Zander

- leptophylla* (Müll.Hal.) R.H.Zander W C S
 (*Phascum leptophyllum* Müll.Hal.)

DIDYMODON Hedw.

- afrum* Müll.Hal. = *D. ceratodonteus*
ceratodonteus (Müll.Hal.) Dixon W
 (*D. afrum* Müll.Hal.)
 (*Gymnostomum dimorphum* (Müll.Hal.) Sim)
 (*Gymnostomum gracile* (Wager & Dixon) Dixon)
tophaceopsis R.H.Zander W
 (*Husnotiella latifolia* (Dixon) R.H.Zander & Magill)

GYMNOSTOMUM Nees & Hornsch.

- dimorphum* (Müll.Hal.) Sim = *Didymodon ceratodonteus*
gracile (Wager & Dixon) Dixon = *Didymodon ceratodonteus*

HUSNOTIELLA Cardot

- latifolia* (Dixon) R.H.Zander & Magill = *Didymodon tophaceopsis*

HYMENOSTOMUM R.Brown

- eurybasis* Dixon = *Weissia latiuscula*

- latiusculum* (Müll.Hal.) Paris = *Weissia latiuscula*
opacum Wager & Dixon = *Barbula indica*

HYMENOSTYLUM Brid.

- crassinervium* Broth. & Dixon W

HYOPHILA Brid.

- atrovirens* (Müll.Hal.) Broth. = *H. involuta*
baginsensis Müll.Hal. N W C S
cyathiforme (Dixon) Sim = *Hypodontium dregei*
involuta (Hook.) A.Jaeger N W C E S
 (*H. atrovirens* (Müll.Hal.) Broth.)

HYPODONTIUM Müll.Hal.

- dregei* (Hornsch.) Müll.Hal. E
 (*Hyophila cyathiforme* (Dixon) Sim)
 (*Syrhodon dregei* Hornsch.)
 (*Syrhodon perichaetialis* Bruch ex Krauss)

LEPTODONTIUM (Müll.Hal.) Hampe ex Lindb.

- longicaule* Mitt. var. *longicaule* E
squarrosus (Hook.) Paris = *L. viticulosoides*
viticulosoides var. *viticulosoides* (P.Beauv.) Wijk & Margad. E
 (*L. squarrosus* (Hook.) Paris)
 (*Zygodon sinii* Dixon)

OXYSTEGUS (Limpr.) Hilp.

- rhodesiae* (Brid.) Hilp. = *Trichostomum rhodesiae*

PHASCONICA Müll.Hal.

- tisserantii* P.de la Varde = *Trichostomum unguiculatum*

PHASCUM Hedw.

- leptophyllum* Müll.Hal. = *Chenia leptophylla*

PSEUDOCROSSIDIUM R.S.Williams

- crinitum* (Schultz) R.H.Zander Distribution uncertain
 (*Barbula crinita* Schultz)
 (*Tortella torquescens* (Schimp. ex Müll.Hal.) Broth.)
 (*Tortula pilifera* Hook.)
porphyreoneurum (Müll.Hal.) R.H.Zander N W C S
 (*Barbula torquatifolia* Geh.)
 (*Tortula porphyreoneura* (Müll.Hal.) C.C.Towns.)

SYNTRICHIA Brid.

- amphidiacea* (Müll.Hal.) R.H.Zander N C
 (*Tortula tanganyikae* Dixon)

- fragilis* (Taylor) Ochya N W C E S*

- (*Tortula fragilis* Taylor)

- pagorum* (Milde) J.J.Amann W

- (*Tortula pagorum* (Milde) De Not.)

TIMMIELLA (De Not.) Limpr.

- pelindaba* Magill W C E

TORTELLA (Lindb.) Limpr.

- caespitosa* (Schwägr.) Limpr. = *T. humilis*
humilis (Hedw.) Jenn.

- (*T. caespitosa* (Schwägr.) Limpr.)

- (*T. theriotii* Broth. & P.de la Varde)

- theriotii* Broth. & P.de la Varde = *T. humilis*
torquescens (Schimp. ex Müll.Hal.) Broth. =

- Pseudocrossidium crinitum*

- xanthocarpa* (Schimp. ex Müll.Hal.) Broth. N W C E

- (*Trichostomum rehmannii* Sim)

- (*Trichostomum rufisetum* Müll.Hal.)

- (*Trichostomum tortuloides* Sull. & Lesq.)

TORTULA Hedw.

- eubryum* (Müll.Hal.) Broth. = *Barbula eubryum*
fragilis Taylor = *Syntrichia fragilis*

pagorum (Milde) De Not. = *Syntrichia pagorum pilifera* Hook. = *Pseudocrossidium crinitum porphyreoneura* (Müll.Hal.) C.C.Towns. = *Pseudocrossidium porphyreoneurum rehmannii* (Müll.Hal.) Sim = *Barbula indica schmidii* (Müll.Hal.) Broth. = *Syntrichia fragilis tanganyikae* Dixon = *Syntrichia amphidiacea*

TRICHOSTOMUM Bruch

brachydontium var. *brachydontium* Bruch N W C E S
rehmannii Sim = *Tortella xanthocarpa rhodesiae* Broth. W*

(*Oxystegis rhodesiae* (Brid.) Hilp.)
rufisetum Müll.Hal. = *Tortella xanthocarpa tortuloides* Sull. & Lesq. = *Tortella xanthocarpa unguiculatum* (Mitt.) R.H.Zander C*
(*Phasconica tisserantii* P.de la Varde)

WEISIOPSIS Broth.

plicata (Mitt.) Broth. C

WEISSIA Hedw.

controversa var. *controversa* Hedw. W S
(*W. oranica* Müll.Hal.)
(*W. viridula* Hedw. ex Brid.)
humicula Müll.Hal. Distribution uncertain
latiuscula Müll.Hal. N W C E S
(*Hymenostomum eurybasis* Dixon)
(*Hymenostomum latiusculum* (Müll.Hal.) Paris)
opaca (Dixon) Magill W
oranica Müll.Hal. = *W. controversa* var. *controversa viridula* Hedw. ex Brid. = *W. controversa* var. *controversa*

PTERIGYNANDRACEAE**TRACHYPHYLLUM** A.Gepp

dusenii (Broth.) Broth. N
gastrodes (Welw. & Duby) A.Gepp N W C E S
(*T. maximum* Dixon)
maximum Dixon = *T. gastrodes*

PTEROBRYACEAE**CALYPTOTHECIUM** Mitt.

acutifolium (Brid.) Broth. = *Pterobryopsis acutifolium hoehnelii* (Müll.Hal.) Argent = *Pterobryopsis hoehnelii*
subacutifolium Broth. = *Pterobryopsis acutifolium*

PTEROBRYOPSIS M.Fleisch.

acutifolium (Brid.) Magill W* E
(*Calyptothecium acutifolium* (Brid.) Broth.)
(*Calyptothecium subacutifolium* Broth.)
hoehnelii (Müll.Hal.) Magill E
(*Calyptothecium hoehnelii* (Müll.Hal.) Argent)

PTYCHOMITRIACEAE**PTYCHOMITRIUM** Fűrnr.

crassinervium (Müll.Hal.) Schimp. ex Paris S*
crispatum (Hedw.) A.Jaeger W S
cucullatifolium (Müll.Hal.) A.Jaeger W*
(*P. obtusatum* (Müll.Hal.) Paris)
eurybasis Dixon = *P. microblastum marginatum* (Wager ex Dixon) Dixon = *P. subcrispatum*

microblastum (Müll.Hal.) Paris N W C S*

(*P. eurybasis* Dixon)

obtusatum (Müll.Hal.) Paris = *P. cucullatifolium*

subcrispatum Thér. & P.de la Varde W C S

(*Ptychomitrium marginatum* (Wager ex Dixon) Dixon)

RACOPILACEAE**RACOPILUM** P.Beauv.

capense Müll.Hal. ex Broth. N W C E S*

RHACHITHECIACEAE**RHACHITHECIUM** Broth. ex Le Jolis

perpusillum (Thwaites & Mitt.) Broth. S

RHACOCARPACEAE**RHACOCARPUS** Lindb.

brentelianus (Müll.Hal.) Broth. = *R. purpurascens ecklonianus* (Müll.Hal.) Broth. = *R. purpurascens purpurascens* (Brid.) Paris C* E
(*R. brentelianus* (Müll.Hal.) Broth.)
(*R. ecklonianus* (Müll.Hal.) Broth.)

RHIZOGONIACEAE**PYRRHOBRYUM** Mitt.

spiniforme (Hedw.) Mitt. E

(*Rhizogonium spiniforme* (Hedw.) Bruch in C.Krauss)

RHIZOGONIUM Brid.

spiniforme (Hedw.) Bruch in C.Krauss = *Pyrrhobryum spiniforme*

RIGODIACEAE**RIGIDIUM** Kunze ex Schwägr.

kilimandscharicum (Broth.) Paris = *R. toxarion niveum* Thér. = *R. toxarion*
toxarion (Schwägr.) A.Jaeger E*
(*R. kilimandscharicum* (Broth.) Paris)
(*R. niveum* Thér.)

SEMATOPHYLLACEAE**HETEROPHYLLIUM** (Schimp.) Kindb.

flexile (Renauld & Cardot) Thér. & P.de la Varde = *Rhacopilopsis variegatum transvaaliense* (Thér. & Dixon) Thér. & P.de la Varde = *Rhacopilopsis trinitensis*

RHAPHIDORRHYNCHIUM Besch. ex M.Fleisch.

dregei (Müll.Hal.) Broth. = *Sematophyllum dregei gueinzii* (Hampe) Broth. = *Sematophyllum gueinzii*

SEMATOPHYLLUM Mitt.

brachycarpum (Hampe) Broth. C E S*
caespitosum (Hedw.) Mitt. = *S. subpinnatum dregei* (Müll.Hal.) Bartr. W C E
(*Rhaphidorrhynchium dregei* (Müll.Hal.) Broth.)
gueinzii (Hampe) Magill C E
(*Rhaphidorrhynchium gueinzii* (Hampe) Broth.)
sphaeropyxis (Müll.Hal.) Broth. N C E S

SEMATOPHYLLUM Mitt.(cont.)
 subpinnatum (Brid.) E.Britton N C E
 (*S. caespitosum* (Hedw.) Mitt.)
 wageri C.H.Wright ex Wager C E
 TRICHOSTELEUM Mitt.
 perchlorosum Broth. & Bryhn C E
 WIJKIA H.A.Crum
 trichocolea (Müll.Hal.) H.A.Crum C E

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 africanum Welw. & Duby E
 capense Hornsch. E
 planifolium Müll.Hal. var. angustilimbatum (Warnst.)
 A.Eddy E
 planifolium Müll.Hal. var. planifolium Müll.Hal. E
 pycnocladulum Müll.Hal. E
 truncatum Hornsch. E

SPLACHNACEAE

TAYLORIA Hook.
 isleana (Besch.) Broth. E*
 orthodonta (P.Beauv.) Wijk & Margad. E

STEREOPHYLLACEAE

STEREOPHYLLUM Mitt.
 natalense Sim = *S. radiculosum*
 odontocalyx (Müll.Hal.) A.Jaeger & Sauerb. = *S.*
radiculosum
 radiculosum (Hook.) Mitt. N W C E S
 (*S. natalense* Sim)
 (*S. odontocalyx* (Müll.Hal.) A.Jaeger & Sauerb.)

THUIDIACEAE

HAPLOCLADIUM (Müll.Hal.) Müll.Hal.
 angustifolium (Hampe & Müll.Hal.) Broth. C E
 PELEKIDIUM Mitt.
 ramusculosum (Mitt.) Touw N W E
 (*Thuidium ramusculosum* (Mitt.) A.Jaeger)
 versicolor (Hornsch. ex Müll.Hal.) Touw N W E
 (*Thuidium borbonicum* Besch.)
 (*Thuidium torrentium* Müll.Hal.)
 (*Thuidium versicolor* (Hornsch. ex Müll.Hal.) A.Jaeger)
 RAUIELLA Reimers
 praelonga (Schimp. ex Besch.) Wijk & Margad. W* S*
 (*R. subfilamentosa* (Kiaer ex Besch.) Wijk & Margad.)
 subfilimentosa (Kiaer ex Besch.) Wijk & Margad. = *R.*
praelonga
 THUIDIUM Bruch, Schimp. & W.Gümbel
 borbonicum Besch. = *Pelekium versicolor*
 chenagonii Müll.Hal. ex Renault & Cardot E*
 (*T. pycnangiellum* Müll.Hal. ex Broth.)
 matarumense Besch. W E
 (*T. promontorii* (Müll.Hal.) Paris)
 promontorii (Müll.Hal.) Paris = *T. matarumense*
 pycnangiellum Müll.Hal. ex Broth. = *T. chenagonii*
 ramusculosum (Mitt.) A.Jaeger = *Pelekium ramusculosum*
 torrentium Müll.Hal. = *Pelekium versicolor*
 versicolor (Hornsch. ex Müll.Hal.) A.Jaeger =
Pelekium versicolor

TRACHYPODACEAE

TRACHYPODOPSIS M.Fleisch.
 serrulata (P.Beauv.) M.Fleisch. E

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About SABONET

This publication is a product of the Southern African Botanical Diversity Network (SABONET), a programme aimed at strengthening the level of botanical expertise, expanding and improving herbarium and botanic garden collections, and fostering closer collaborative links among botanists in the southern African subcontinent.

The main objective of SABONET is to develop a strong core of professional botanists, taxonomists, horticulturists, and plant diversity specialists within the ten countries of southern Africa (Angola, Botswana, Lesotho, Malawi, Mozambique, Namibia, South Africa, Swaziland, Zambia and Zimbabwe). This core group will be competent to inventory, monitor, evaluate, and conserve the botanical diversity of the region in the face of specific development challenges, and to respond to the technical and scientific needs of the Convention on Biological Diversity.

To enhance the human resource capacity and infrastructure available in the region, SABONET offers training courses, workshops, and collaborative expeditions in under-collected areas. The programme produces a newsletter, *SABONET News*, and a series of occasional publications, the *Southern African Botanical Diversity Network Report Series*, of which this publication is part.

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- The United States Agency for International Development (USAID/World Conservation Union—Regional Office for southern Africa (IUCN-ROSA))
- The Global Environment Facility (GEF)/United Nations Development Programme (UNDP)

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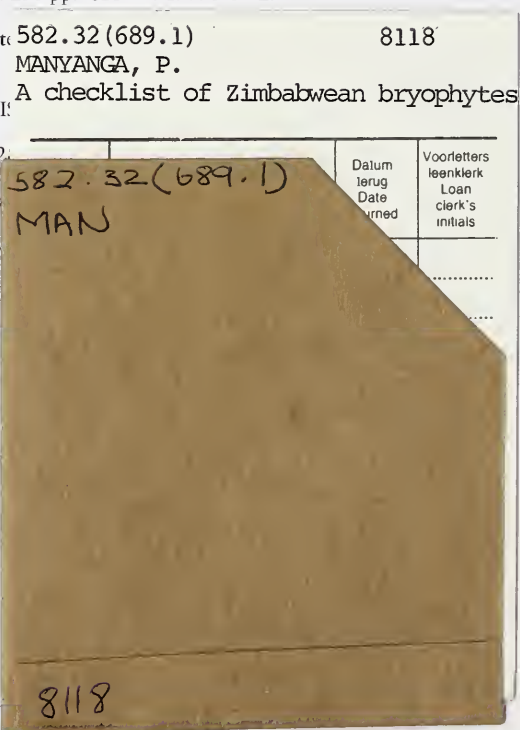
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The National Herbarium and Botanic Garden of Zimbabwe

Location

The National Herbarium and Botanic Garden is situated about 4 km North of the Harare city centre within the suburb of Alexandra Park, on the corner of Fifth Street extension and Downie Avenue. It is easily accessed from either Fifth Street or Sam Nujoma Street.

Mandate

The National Herbarium and Botanic Garden is a centre for research and information on the indigenous plants of Zimbabwe. It is responsible for the study of Zimbabwe flora in order to promote its conservation, development and sustainable use. Its mission is to increase knowledge and appreciation of Zimbabwean plants. It fulfils this mission by looking after the plant specimens that are the essential resource material required in studying plant characters in order to arrive at their identity and names. The National Herbarium stores preserved plant specimens while the living specimens are grown in the National Botanic Garden.

The institute has three interlinked sections: the herbarium, the botanic garden and the education centre.

The **Herbarium** has about 500 000 plant specimens. It is the main reference centre for research on identifying and naming plants of the Flora Zambesiaca Region. This region comprises Zimbabwe, Zambia, Malawi, Mozambique, Botswana and the Caprivi.

The **Botanic Garden** grows over 900 trees and shrubs of Zimbabwe in groups to show the associations that are found in various parts of the country. It has sections with trees of the Highveld, Lowveld and Eastern Highlands. Also growing are a number of trees from other countries that have climatic conditions similar to Zimbabwe e.g. Asia and Australia.

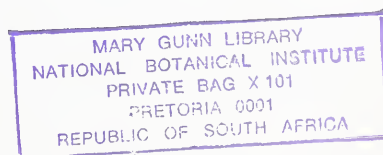
The **Education Centre** disseminates information on the plants of Zimbabwe and the plant kingdom in general to educational institutions especially schools, colleges and universities.

The aims and objectives of the National Herbarium and Botanic Garden can be summarized as follows:

- i) to conserve, enhance and curate Zimbabwe's principal collection of botanical specimens for national and international reference and study;
- ii) to do scientific research and documentation on Zimbabwean plants and plant communities based on the herbarium collection and field surveys;
- iii) to provide botanical services to Government Departments, NGOs, students, researchers and the public;
- iv) to provide a focal point for the international network of herbaria in order to facilitate research on the flora of Zimbabwe and the region by national and international researchers;
- v) to provide a pleasant and peaceful environment in which the Harare community can enjoy activities that are compatible with Botanic Garden management;
- vi) to raise revenue that will help in the development and maintenance of the National Herbarium and Botanic Garden.

Administration

The National Herbarium and Botanic Garden is administered by the Division of Agricultural Research and Extension (AREX) in the Ministry of Lands, Agriculture and Rural Resettlement, in conjunction with the Botanic Garden Fund Committee. The latter is a Board of Trustees who are appointed by the Minister of Agriculture. Their main role is to complement government efforts in the running of the institute by raising funds. Some of the notable achievements of this committee in recent years include the fencing and up-grading of the public car park, the construction of the Restaurant, Desert House, Education Centre, Office Block at the nursery and the refurbishment of the National Herbarium. In short, the Botanic Garden Fund Committee spearheads almost all development projects at the National Herbarium and Botanic Garden while the Government meets most of recurrent expenditure and salaries.





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